Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/29/2021 10:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124766	-1	2.94	124684	2.89
Blue	F	SSC	125000	124249	-1	3.34	124865	3.19
Blue	E	FITC	14284	13695	-5	3.68	383	14.33
Blue	D	PE	23919	23456	-2	3.30	555	11.43
Blue	B	PerCP-Cy5-5	31332	30447	-3	4.21	867	15.85
Blue	A	PE-Cy7	22272	21811	-3	5.91	452	32.74
Red	C	APC	47768	47212	-2	2.78	1623	11.93
Red	A	APC-Cy7	25313	24650	-3	3.13	697	12.84
Violet	B	V450	7085	6817	-4	3.83	476	11.28
Violet	A	V500	26969	26016	-4	3.40	892	8.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23731	4.56	592	3	N/A	N/A	Pass
Blue	F	SSC	55342	3.05	527	6	N/A	N/A	Pass
Blue	E	FITC	57	55.60	498	-3	0.0382	30	Pass
Blue	D	PE	108	40.97	496	-1	0.3486	288	Pass
Blue	B	PerCP-Cy5-5	136	44.79	586	-2	0.0183	114	Pass
Blue	A	PE-Cy7	74	85.53	633	-2	0.0195	1	Pass
Red	C	APC	337	27.60	582	2	0.0262	229	Pass
Red	A	APC-Cy7	129	36.71	556	1	0.0058	1441	Pass
Violet	B	V450	80	47.52	456	-7	0.0652	2762	Pass
Violet	A	V500	105	31.98	467	-7	0.0241	931	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.66	-31.36	1.04
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.62	13.60 - 20.40	N/A	N/A	29.70	30.04	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 12053

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments